



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Software Engineering for Industrial Applications (MEng)

Hof University of Applied Sciences • Hof



Overview

Degree	Master of Engineering
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are held in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>Our application portal is open during the following application periods:</p> <ul style="list-style-type: none">5 November – 30 November for the following summer semester15 April – 31 May for the following winter semester
Tuition fees per semester in EUR	3,300 EUR
Additional information on tuition fees	<p>Fees include</p> <ul style="list-style-type: none">organisational support before and during your studies at Hof Universityassistance in finding accommodationorientation week prior to the start of your studiessocial integrationcareer-promoting activities such as intercultural trainings, field trips, and company visitsfree public transportation in the city of Hof
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content

Did you already earn a Bachelor's degree in Software Engineering or Computer Science and gather some professional experience? Do you feel a need to have deeper knowledge of software management and engineering tasks, especially in order to get a leading position? Then our MEng programme in Software Engineering for Industrial Applications is just right for you. Kick-start your career with our perfect interdisciplinary toolbox of knowledge and skills in outstanding technological competence, software management, and engineering.

Our web technology-, IoT-, development-, and software management-oriented modules provide you with the strategic knowledge you need and enable you to develop industrial applications for companies all over the world. We also focus on software and project management.

Our teaching methods include various modern methods, such as cloud computing and international projects with our partner universities.

Your benefits

After graduation, you will benefit from

- a unique Master's degree at the interface of management and technology with a MEng degree;
- a perfect interdisciplinary toolbox of knowledge and skills for complex management and engineering tasks in the field of software development;
- valuable work experience gained during the internship semesters;
- German language skills of at least A2 level at graduation;
- development of your intercultural competence;
- excellent career perspectives in various fields, e.g. web technology projects, software design, or component-oriented software development.

Typical entry positions include

- Software Developer
- Software Engineer
- Software Project Manager
- Software Quality Manager
- Software Change Manager

Course Details

Course organisation

The Master's programme consists of 12 modules, with five ECTS per module (four basic modules + six core modules + two elective modules):

Basic modules:

- Project Management
- Software Engineering
- Communication and Negotiation Skills
- Internet of Things

Core modules:

- Component-Oriented Software Development
- Advanced Programming
- Concepts and Tools for Application Development
- Practical Studies – Industry 4.0
- Non-Relational Databases
- Applied Cloud Computing

Elective modules (choose two):

- German language A1 and A2 (both mandatory if you have no German skills at the point of admission; higher levels also available)

- Analytical Information Systems
- Mobile Computing
- Recent Trends in Software Engineering

In the third and fourth semesters, each student conducts an internship in a company, attends training modules (30 ECTS) and writes a project-based Master's thesis in cooperation with a company (30 ECTS).

A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • International guest lecturers • Language training provided • Training in intercultural skills • Courses are led with foreign partners
Integrated internships	<p>A unique feature of this Master's programme is that students spend these second year (third and fourth semesters) doing a paid practical internship in industry (e.g. a web technology or software development project). Also, the Master's thesis is project-based and done in cooperation with a company. Thus, students can</p> <ul style="list-style-type: none"> • immediately apply their knowledge, • gain profound professional experience and • earn money at the same time! <p>We support our students in finding an appropriate internship and provide contact addresses for this purpose. So far, our students have conducted internships with companies such as SAP, Continental, JPM, IBM, Siemens, Rehau AG, ND SatCom, JRC (Joint Research Centre of the European Union) and much more. Frequently, the internship provides the stepping stone to the first job after graduation.</p>
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	3,300 EUR
Additional information on tuition fees	<p>Fees include</p> <ul style="list-style-type: none"> • organisational support before and during your studies at Hof University • assistance in finding accommodation • orientation week prior to the start of your studies • social integration • career-promoting activities such as intercultural trainings, field trips, and company visits • free public transportation in the city of Hof
Semester contribution	Administrative fee of approx. 125 EUR per semester

Costs of living

The cost of living in the city of Hof is moderate compared to both other European countries and bigger cities in Germany. On average, living expenses for a student range between 800 and 1.000 EUR per month in total.

The following is an approximate cost calculation of expenditures per month:

- accommodation: 350 to 550 EUR
- mandatory health insurance: about 120 EUR
- food and personal expenditures: at least 350 EUR

Funding opportunities within the university

No

Requirements / Registration

Academic admission requirements

- **Bachelor's degree in software engineering** or similar from an accredited university – 180 ECTS or equivalent (depending on the home country)
- **One year of work experience** after graduation
- Motivation letter

Language requirements

Applicants must be proficient in **English**. This can be proven with one of the following:

- TOEFL minimum 90 (Test of English as a Foreign Language)
- IELTS 6.5 or above (International English Language Testing Systems)

German skills are not required in order to participate in the programme as all lectures are held in English. However, it is **mandatory for international students to attend introductory German classes** (levels A1 and A2) in Hof. At the start of the internship, all students should have reached the A2 German language level.

Application deadline

Our [application portal](#) is open during the following application periods:

- 5 November – 30 November for the following summer semester
- 15 April – 31 May for the following winter semester

Submit application to

https://www3.primuss.de/cgi-bin/bew_anmeldung_v2/index.pl?Session=&FH=fhh&Email=&Portal=1&Language=en

Services

Possibility of finding part-time employment

Paid internship in the third and fourth semesters

Accommodation

The [Housing Office](#) supports international students in finding appropriate accommodation.

Rent for a single student room is approx. 350 to 550 EUR. Rent for a private one-room apartment for one tenant or for a couple is more than 550 EUR. We also have a limited number of double rooms for friends that cost about 250 to 300 EUR per person. Beside the rent, there are additional costs for water, energy, broadcast fee, and Internet.

For a full overview of the practical issues related to living in Hof and our support services for international students, please have a look at the website of our [Welcome Service](#) and [Housing Office](#).

Career advisory service

The [Career Service](#) team at Hof University offers you a **wide range of career preparation and orientation services**, including workshops, company excursions, and job fairs. We will **prepare you for the German labour market** by providing you with specific information, counselling, and qualifications. Thus, you will be able to start your individual career as an intern and as a graduate.

Support for international students and doctoral candidates

- Accompanying programme
- Specialist counselling
- Cultural and linguistic preparation
- Visa matters
- Help with finding accommodation
- Support with registration procedures

General services and support for international students and doctoral candidates

We know that adjusting to your new life in Germany is an adventure that is both exciting and challenging. There is no need to be scared – we are here to help you!

At Hof University, we are proud of our **warm welcome culture** and offer **numerous services for our international students**. Our team will assist you in all aspects of your stay in Hof. We will help you find the right academic programme and language courses and support you in organising all formalities such as visas, residency, insurance, and banking.

Prior to the start of each semester, we organise an **orientation period** for our new international students. With the expert assistance from our motivated team, you will smoothly settle into your new personal and academic environment. Additionally, our **International Student Network**, a group of motivated students, will help you feel at home by organising social activities.



©Ivan Iakimenko

Ivan Iakimenko
Graduate of the Master's in
Software Engineering
programme, from the USA

Choosing to go to Hof University to pursue my Master's degree proved to be a challenging, but ultimately incredibly rewarding experience. It allowed me to expand my professional and social skills while experiencing the history, culture and natural beauty of Germany.

The lectures were engaging and covered relevant topics, which were further explored during my internship. After finishing my degree, I was immediately hired in my field of interest. I look forward to continuing to live in Germany.



Testimonial: Shobit, a student of the Master's of Software Engineering programme

Shobit is studying Software Engineering for Industrial Applications at Hof University Graduate School. He chose Hof University because of the very good curriculum. He likes the campus and the welcoming atmosphere, and he especially likes the International Team's well-organised events at Hof University.

» more:
<https://www.youtube.com/watch?v=pXIV7pxECwY>

Hof University of Applied Sciences



International students on the campus of Hof University

Studying at Hof University – your benefits at a glance

- first-class, hands-on education focused on employability
- friendly and open-minded study environment, especially for international students
- extensive personal support for international students from the Welcome Service, International Office, and Career Service
- assistance in finding accommodation in Hof
- orientation week prior to the start of the studies
- career-promoting activities, such as intercultural trainings, field trips, and company visits

About Hof University

Founded in 1994, our university offers a very attractive study environment with its modern architecture and its state-of-the-art classrooms, laboratories, and dormitories. You will receive a first-class, hands-on education here. As a practice-oriented university of applied sciences with integrated internships in all programmes, the employability of our graduates is the main focus of our teaching.

We offer more than 40 modern Bachelor's and Master's programmes in business, computer science, and engineering as well as in interdisciplinary and innovative sciences. Students with at least one year of professional experience find exciting further education opportunities completely in the English language at [Hof University Graduate School](#)

Strong practice orientation

All professors have a strong academic background as well as practical experience in industry. Teaching is based on innovative methods to convey application-oriented knowledge (e.g. projects with industry, site visits, involvement of company representatives). As a result, our graduates are ideally prepared for the domestic and international labour markets.

Intensive personal support

We are well-known for our friendly study atmosphere. An excellent student-to-lecturer ratio allows for frequent and personal contact between students and professors and an active exchange of ideas. Students receive intensive personal support during their studies and benefit from numerous services, such as orientation sessions, social integration events, and housing support.

The outlook of the university is extremely international, with more than 130 partner universities all over the world. More than twenty percent of students come from abroad, creating a truly multinational atmosphere.

Applied research

The university's five research institutes concentrate on [information systems](#), [biopolymers](#), and [material sciences](#) as well as [sustainable water systems](#) and [hydrogen and energy management](#). The guiding principles for our research are practice-orientation, internationalisation and resource efficiency (focusing on indoor climate systems / water).

Students who are interested in a start-up or in the formation of a company get advice and support at [Einstein1](#), the digital business incubator on campus of Hof University.



University location

Hof is a medium-sized town located at the top of Bavaria and in the heart of Europe, right in the middle of Berlin, Munich, and Prague. Hof has a population of about 50,000 and is an appealing and safe university town with plenty of leisure activities. To relax and unwind, there are numerous bars, cinemas, an orchestra, a theatre, a landscaped park called Theresienstein, and a beautiful lake – the Untreusee. Hof is also known for the International Hof Film Festival, which is one of the most important German film festivals.

The region around Hof has the second-highest industrial density in all of Europe, mainly specialising in manufacturing machinery and plastic (automobile) parts. The companies are mostly small and medium-sized businesses, the so-called hidden champions, and they provide ample opportunities for internships and entry jobs.


The city of Hof is surrounded by beautiful nature. It is located between the low mountain regions of the Fichtelgebirge and the Franconian Forest on the banks of the Saale River. You will find excellent possibilities for all outdoor sporting activities such as cycling, hiking, climbing, and skiing.


Contact

Hof University of Applied Sciences


Welcome Center

Alfons-Goppel-Platz 1
95028 Hof

 Course website: <https://www.hof-university.com/studying-at-hof-university/software-engineering-for-industrial-applications-meng.html>

 <https://www.facebook.com/HochschuleHof/>

 <https://www.linkedin.com/school/hochschule-hof/>

 <https://www.instagram.com/hof.university.international/>

 <https://www.youtube.com/c/hochschulehof1>

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Disclaimer

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